



174/267

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Bill Bereza et al.  
Application No. : 10/702,196 Confirmation No.: 7108  
Filed : November 4, 2003  
For : ADAPTIVE COMMUNICATION METHODS AND  
APPARATUS  
Group Art Unit : 2181

New York, New York 10020  
April 6, 2004

Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.56 and 1.97,  
applicants hereby make the following references of record  
in the above-identified patent application:

U.S. Patents

3,633,120	Battjes	01/04/72
4,723,110	Voorman	02/02/88
5,420,538	Brown	05/30/95
6,236,231	Nguyen et al.	05/22/01
6,650,140	Lee et al.	11/18/03

U.S. Patent Applications

10/317,262	Venkata et al.	12/10/02
10/317,264	Venkata et al.	12/10/02
10/349,541	Venkata et al.	01/21/03
2003/0052709	Venkata et al.	03/20/03
10/454,626	Lui et al.	06/03/03
10/640,824	Wang et al.	filed 08/13/03
10/640,825	Wang et al.	filed 08/13/03
10/702,195	Baig et al.	filed 11/04/03

10/756,949  
10/757,182

Kwasniewski et al. filed 01/13/04  
Baig et al. filed 01/13/04

Other Documents

B. Gilbert, "The Multi-tanh Principle: A Tutorial Overview," IEEE Journal of Solid-State Circuits, Vol. 33, No. 1, January 1998.

Copies of the aforementioned references, which are listed on the accompanying Form PTO-1449 (submitted in duplicate), are enclosed herewith.

It is respectfully requested that these references be (1) fully considered by the Patent and Trademark Office during examination of this application; and (2) printed on any patent which may issue on this application. Applicants request that a copy of Form PTO-1449, as considered and initialed by the Examiner, be returned with the next communication.

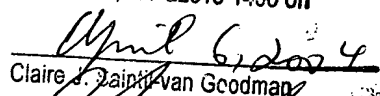
An early and favorable action is respectfully requested.

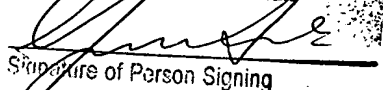
Respectfully submitted,



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Signature of Person Signing

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
174/267APPLICATION NO.  
10/702,196INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTSAPPLICANTS  
Bill Bereza et al.CONFIRMATION NO.  
7108FILING DATE  
November 4, 2003GROUP ART UNIT  
2181

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,633,120	01/04/72	Battjes	330	30R	
	4,723,110	02/02/88	Voorman	330	252	
	5,420,538	05/30/95	Brown	330	252	
	6,236,231	05/22/01	Nguyen et al.	326	39	
	6,650,140	11/18/03	Lee et al.	326	39	

## U.S. PATENT APPLICATIONS

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	10/317,262		Venkata et al.			12/10/02
	10/317,264		Venkata et al.			12/10/02
	10/349,541		Venkata et al.			01/21/03
	2003/0052709 A1	03/20/03	Venkata et al.	326	37	
	10/454,626		Lui et al.			06/03/03
	10/640,824		Wang et al.			08/13/03
	10/640,825		Wang et al.			08/13/03
	10/702,195		Baig et al.			11/04/03
	10/756,949		Kwasniewski et al.			01/13/04
	10/757,182		Baig et al.			01/13/04

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicants.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 174/267	APPLICATION NO. 10/702,196
INFORMATION DISCLOSURE STATEMENT BY APPLICANTS		APPLICANTS Bill Bereza et al.	CONFIRMATION NO. 7108
		FILING DATE November 4, 2003	GROUP ART UNIT 2181

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	B. Gilbert, "The Multi-Tanh Principle: A Tutorial Overview", IEEE Journal of Solid-State Circuits, Vol. 33, No. 1, January 1998.

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